

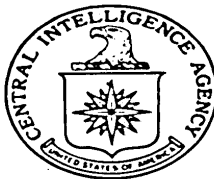
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CENTRAL INTELLIGENCE AGENCY  
PHOTOGRAPHIC INTELLIGENCE DIVISION  
PHOTOGRAPHIC INTELLIGENCE REPORT

GALOSH MISSILE MENSURATION  
FROM  
"ROCKETS ON GUARD FOR PEACE"  
(SOVIET SOURCE)

CIA/PIR-1012/65  
JUNE 1965



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## GALOSH MISSILE MENSURATION FROM "ROCKETS ON GUARD FOR PEACE"

(SOVIET SOURCE)

In a recent Soviet television broadcast a probable Galosh missile was shown in a launch sequence. As this is the first view of the exposed Galosh, dimensions and other mensuration will be provided in this report.

The mensuration accomplished results from an assumption that the missile launched in the filmed sequence is in fact the Galosh, with container dimensions similar to those of the Galosh seen in Moscow. (65 feet long [redacted] diameter) Speed and acceleration data portrayed in Attachment 2 is based on a camera operating at 24 frames per second.

Attachment 1 reveals a missile which in some respects has similar features to the United States Sprint Missile. There is some suspicion that the missile fins were folded while in the container, springing out after launch.

The container cap was blown off prior to launch of the missile, however only a fraction of a second elapsed between the two events. After the cap was blown off, there was no evidence of a missile nose sticking up out of the container. If the dimensions are correct, the nose of the missile would be stored approximately [redacted] below the rim of the container proper.

Approximately .83 seconds after launch, the missile had traveled 120 feet, indicating an average velocity of 145 feet per second (on the basis of 24 frames per second). The dots on the graph (Attachment 2) represent distance traveled on different movie frames, assuming a constant camera speed, and constant projection speed for television viewing.

Unknown camera angles and poor image quality precludes making a meaningful accuracy statement. All mensuration was performed by the NPIC/Technical Intelligence Division.

## REFERENCES

## PHOTOGRAPHY

Soviet TV motion picture "Missiles on Guard for Peace", Moscow parade photography

## REFERENCE

C-315-82,600

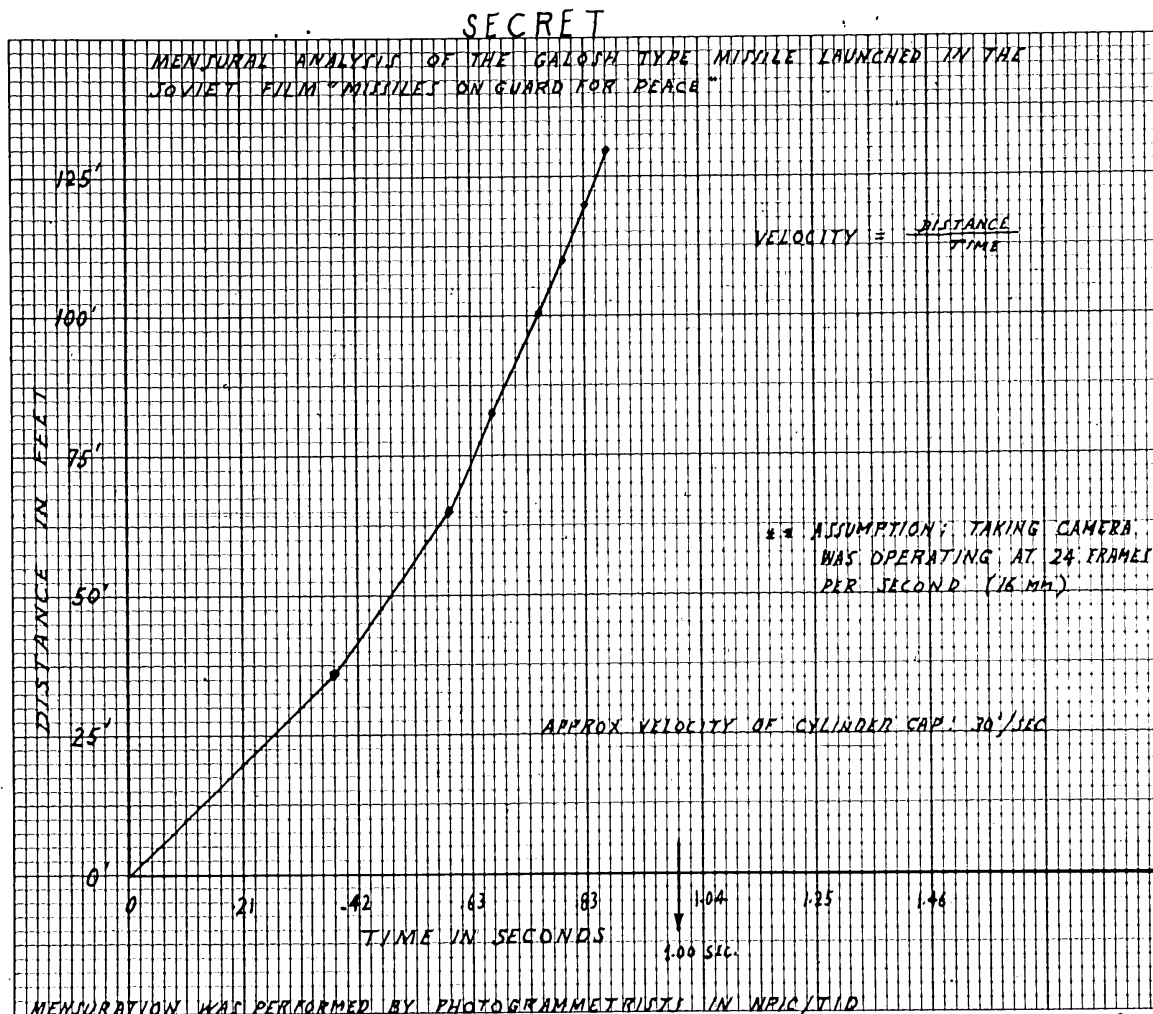
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Attachment to:  
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ATTACH NO. 2